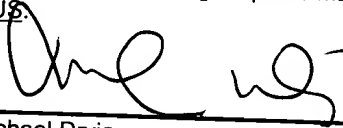


ABSTRACT OF THE DISCLOSURE

Proxy network address translation (PNAT) is disclosed, which combines proxy server capability with network address translation (NAT) capability. At a NAT component, address translation is performed at a packet level of a stream of packets
5 originating from a client and destined for a server. The address translation redirects the packets to a proxy component, and masks the source of the packets. At the proxy component, filtering is performed at a stream level of the stream of packets. The proxy component transmits the packets to the server. A specific installed component is not required at clients for access through the PNAT. The PNAT retains the advantages of a
10 proxy server, while retaining for the component-less nature of access of NAT.

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to addressee" service under 37 CFR § 1.10 in an envelope addressed to The Assistant Commissioner for Patents, Washington, DC 20231, on Mar 31, 2000, by Michael Dryja, and having "express mail" mailing label no. EK530297042US.



Signature of Michael Dryja

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